

Name: \_\_\_\_\_ Y6 (    )

Date: \_\_\_\_\_

## **Data Handling / Statistics**

**Question:** During which years do students grow the most (have growth spurts)?

### **Section A: Data Collection & Organization**

**Group discussion:** How would we find out the answer to this question?

#### **Task:**

The Y6 year group is going to be conducting this study together with the use of Google docs and Google form.

Each class is going to measure the heights of 2 other classes from Y1 – Y12 in order to collect the information for us to answer our question.

We will then compile out data on Google docs / spreadsheet and make inferences (conclusions).

#### **As a class you need to discuss:**

What will be the best method to collect the data?

How can you do it without disturbing the class too much?

How will you record your data while collecting it?

Who will be responsible for which jobs?

Who will input the data onto Google docs?

Google Doc Link (you need to copy and paste the following link to view the document):

<https://docs.google.com/a/vsa.edu.hk/spreadsheet/cc?key=0AkYzh1FHHfAdDB0WFlvOE9rNFlxek41YWRVY0h4bXc#gid=0>

Before we begin, make your hypothesis: (What do you think the data will tell us? Guess)

**Hypothesis:** \_\_\_\_\_

### **Section B: Data Display, Analysis & Interpretation**

**Discussion:** Now that we have collected our data, what would be the best way to display it?

#### **Task:**

Using the graph paper provided, display the findings and make your inference (your conclusion from the analysis of our findings).

**Inference:** \_\_\_\_\_

Give a reason you think could possibly be the cause of this result:

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**Extensions:**

**1. Project report**

You have already made a report about statistics “which is the most popular letter in English”, now make your second report.

Refer to the above instructions and include the followings:

- Introduction
- procedure/method
- data (in table format and suitable charts)
- conclusion (interpretation and reflections)

**2. Further analysis of the “Height data”**

Apart from using the height data to answer the inquiry question “During which years do students grow the most (have growth spurts)?”, we can use the data in many different ways.

In separate A4 paper:

- show your understanding and ability to find averages (mean, mode, median, range) for different year groups
- make up questions from the height data to challenge your classmates (write your answer at the back of the paper)